



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Sercel et al
Filed: 02/16/2001
App. No.: 09/788,331
For: Fiber-ring optical resonators

PRELIMINARY AMENDMENT UNDER 37 CFR §1.115

Assistant Commissioner for Patents
Washington, DC 20231

07/30/2001

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11/13/01

Sir:

Please amend the above named application as set forth below.

AMENDMENT

Please amend the following claim.

1. (amended) A fiber-ring optical resonator, comprising:
- a resonator fiber; and
 - a transverse fiber-ring resonator segment integral with the resonator fiber, the resonator segment having a circumferential optical path length different from the circumferential optical path length of the resonator fiber adjacent to the resonator segment so that the resonator segment may support a substantially circumferential resonant optical mode near an outer surface of the resonator fiber segment.

Please insert the following new claims.

16. A fiber-ring optical resonator, comprising:
- a resonator optical fiber; and
- a transverse fiber-ring optical resonator segment integral with the resonator optical fiber, the resonator segment having a circumferential optical path length sufficiently different from the circumferential optical path length of at least one immediately adjacent segment of the resonator optical fiber so as to enable the resonator segment to support at least one resonant optical mode near an outer circumferential surface of the resonator segment.
17. A fiber-ring optical resonator, comprising:
- a resonator optical fiber; and